

Claims

- 0940374-101000
1. System for identifying and authenticating accessories, auxiliary substances and/or operating substances for items of equipment,
- 5 - the accessories or the auxiliary or operating substances or their storage containers (16) being provided with a data carrier portion (18) on which information that can be detected by the human eye and is distinctive to a human viewer is stored,
- 10 - the item of equipment (10) being provided with a reading and evaluating device (20) for this information and
- 15 - the reading and evaluating device (20) having a comparison device (43) for comparing the read information with a stored item of information as well as an enabling controller (46) for at least one functional component (48) of the item of equipment (10) in such a way that if the read information coincides with the stored information an authenticating signal or enabling signal is supplied by the enabling controller (46) to the functional component (48), which thereupon permits operation of the item of equipment (10) and if the read
- 20 information does not coincide with the stored information disables operation of the item of equipment.
2. System according to Claim 1, characterized in that
- 30 the information that can be detected by the human eye and is distinctive to the human viewer is formed by a trademark.
- A 3. System according to Claim 1 or 2, characterized

- in that the data carrier portion (18) has a first region (24), in which only machine-readable information is stored, and
- in that the data carrier portion (18) has a second region (26), in which the information that can be detected by the human eye and is distinctive to the human viewer is stored.

A 4/1. System according to ~~one of the preceding claims~~,
10 characterized in that at least one reference marking (30) for the orientation of the reading device (20) is provided on the data carrier portion (18).

A 5. System according to ~~one of the preceding claims~~,
15 characterized
- in that the information stored on the first region (24) of the data carrier portion (18) is formed by a machine-readable code and
- in that the information stored on the second region (26) of the data carrier portion (18) is formed by a trademark.

A 6. System according to ~~one of the preceding claims~~,
25 characterized
- in that the first region (24) of the data carrier portion (18) has a multiplicity of lines (32, 32', 32'') of a binary pixel code, the binary pixel code containing the only machine-readable information, and
- in that the second region (26) of the data carrier portion (18) has a plurality of lines of a pixel code which together form the information that can be detected by the human eye and is distinctive to the human viewer.

A 35 7. System according to ~~one of the preceding claims~~,
characterized in that a machine-readable limit marking (28), which preferably comprises at least one blank line, is provided between the first region (24) of the

Claim 1

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human eye and distinctive to a human viewer, comprising the steps:

- registering the optical information present on the data carrier portion (18);
- 5 - identifying the first and second regions (24, 26) of the data carrier portion (18);
- reading out and decoding the binary information contained in the first region (24);
- reading out the information contained in the second region (26);
- 10 - comparing the read-out information of the second region (26) with a stored information sample and
- generating an authenticating signal if the read-out information of the second region (26) has been
- 15 detected as coinciding with the stored information sample.

Box B

Add 2

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